



AMC



TACOM

Engineering Changes At Light Speed



Developed by:
Engineering Data Management Directorate
TACOM-ARDEC

DSN: 880-6626
Commercial: (973) 724-6626
lees@pica.army.mil
<http://edmd4.pica.army.mil>

07 May
1008

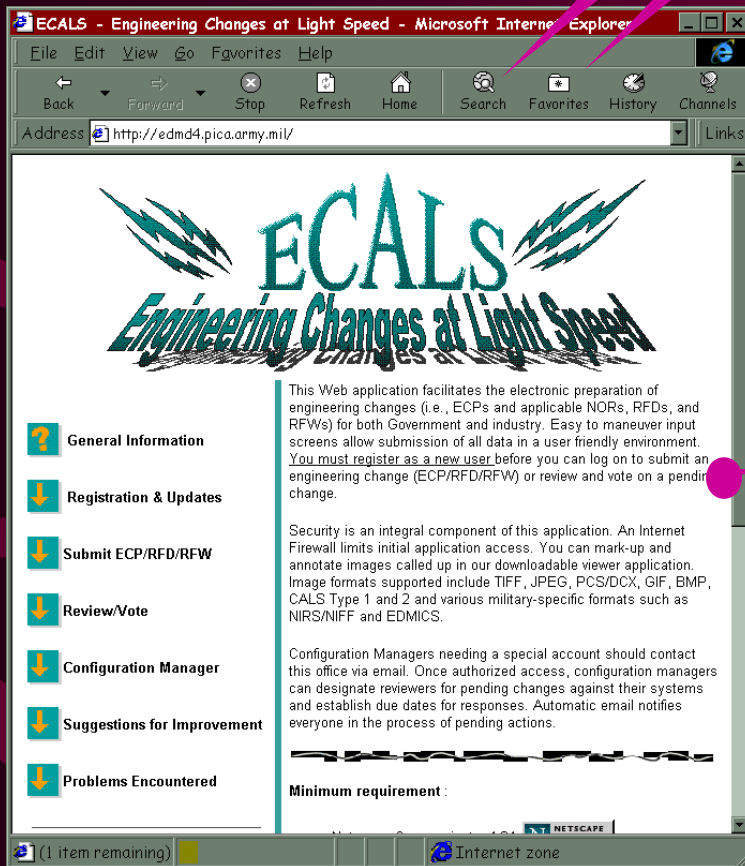
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Engineering Changes At Light Speed

ECALS Features

<http://edmd4.pica.army.mil/>



- Register as a new user

- Submit or modify an ECP, RFD, RFW

- Review status of pending changes

- Established reviewers can comment & vote on proposed changes

- Configuration Managers can establish who can review and vote on pending actions

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ECALS Features

- Web-based
 - Available 24/7
 - Ease of Use
- User Friendly
- Password Protected
- Red Line Image Mark up
- Data Stored for retrieval and modification
- Extensive On-line Help
- Speeds Processing
 - Parallel Reviews and votes
 - Actions can be done in one day
 - Immediate Notification of Work in Que
- Tracks status
- Maintains Accountability
- Configuration Managers Own the Process
 - Establish Due Dates
 - Designate Reviewers
 - Repository
 - Drafting Organization
 - Design Organization
- Eliminates Lost Data
- Shared Digital Data Provides Accountability and Traceability
- Cost Savings

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Features

**On line
registration and
registration updates**

The screenshot shows a web browser window titled "ECALS NEW USER HTML - Microsoft Internet Explorer". The address bar displays "http://edmd4.pica.army.mil/sub/newuser.html". The main content area contains the "ECALS User Information Update Form". The form fields are as follows:

- First Name: Lee
- Mid. Ini.: M.
- Last Name: Sadauskas
- Company Name: US Army
- Organization: Picatinny Arsenal
- Office Symbol: AMSTA-AR-EDE-S
- Street Address: Building 12
- City: Picatinny Arsenal
- State: NJ
- Zip: 07806-5000
- Radio buttons for "In USA" (selected) and "Outside USA".
- Phone #: (973) 724-6626
- Ext: (empty)
- E-mail: lees@pica.army.mil
- Login ID: lees
- Password: (masked with asterisks)
- Confirm Password: (masked with asterisks)

At the bottom of the form are three buttons: "Update", "Clear", and "Query for Modify". Below the form, a note states: "To query for modification enter your login ID and password." The browser's status bar at the bottom shows "Applet started" and "Internet zone".

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ECALS Features

Creating
an
ECP

Engineering Change Proposal

File Submit Print Close Help

Change Justification and Submitted Data | Documents Effected | Impact | Attachments

ECALS No: DT52290 ☐ In House ☐ Contractor Contractor Info

Class of ECP Class I-affects form, fit, or func

Justification B - Interface

Priority E - Emergency

Set Model/Type System Designation

Model/Type M5 RAM

System Designation: TEST

ECP No. DT52290

Type P - Preliminary

Rev

Baseline Affected Product

☒ Other Sys/Config. Items Affected Details

All Lower Level Items Affected Details

Configuration Item Nomenclature: 120mm, TP-T, M831A1

☒ In Production

Distribution Statement A-Unlimited

System Affected

Description of Change Need for Change

Personal Data

Submitted by : Alfred J Mastrobuoni
Company Name : ARDEC
Office Symbol : AMSTA-AR-EDT
Street : Building 12
City : Picatinny Arsenal
State : NJ
Zip : 07806-5000
Phone : (973) 724-3379

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ECALS Features

Attaching an Image

Engineering Change Proposal

File Submit Print Close Help

Change Justification and Submitted Data Documents Affected Impact Attachments

Documents Affected :

Doc No. [Redacted]

Cage No. [Redacted] Doc Type [Redacted] Rev [Redacted]

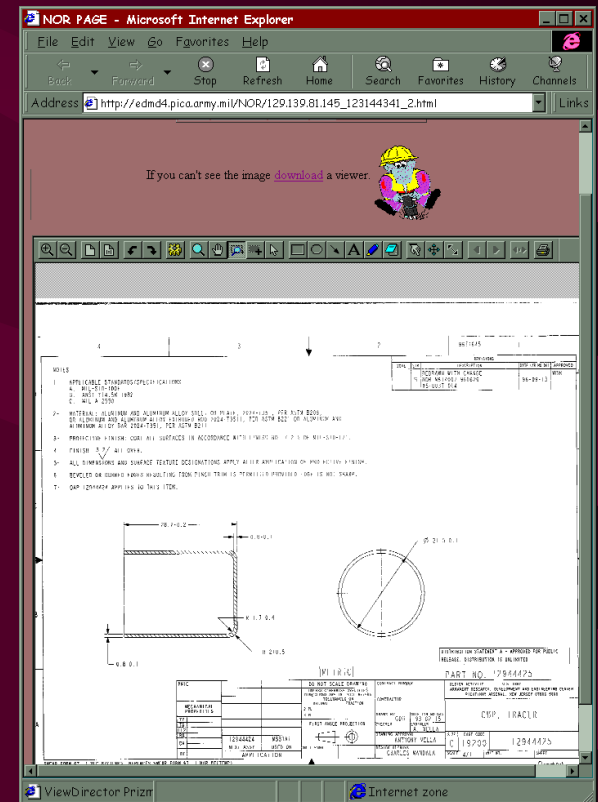
Sheet No. [Redacted] Image No. [Redacted]

Attach Image Delete View Image In Resolution : 700*700

Notice of Revision

Doc No.	Cage Code	Doc Type	Rev	Image No.	Sheet No.	Is Attachment
12944425	19200	DP	B			Yes

Image Markup



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Engineering Changes At Light Speed

ECALS Features

Creating
an
ECP

The screenshot shows the 'Engineering Change Proposal' window with a menu bar (File, Submit, Print, Close, Help) and several tabs (Change Justification and Submitted Data, Documents Effected, Impact, Attachments). The 'Impact' tab is active, displaying various fields and buttons for data entry and review.

Change Justification and Submitted Data

- Production Effectivity By Serial No. or Lot No. [Details]
- Effect On Production Delivery Schedule [Details]
- Consequences of Disapproval [Details]
- Date Contractual Authority Needed for (yyyy/mm/dd)
 - a. Production: 1997 [dropdown] 1 [dropdown] 1 [dropdown]
 - b. Retrofit: 1997 [dropdown] 1 [dropdown] 1 [dropdown]
- Estimated Contract Costs/Savings: 0.00
- Estimated Total Costs/Savings: 0.00
- Previously approved ECPs [Details]
- ☒ Estimated Costs or Savings [Details]
- Pages: 1 [Add] [Delete]

Impact

- Is Retrofit Required?
 - ☒ Yes
 - ☐ No
 - [Details]
- ☐ Effect on Integrated Logistics Support (ILS) Elements [Details]
- ☐ Effect on Operational Employment [Details]
- ☐ Other considerations (e.g. interface, rework of other equipment, etc) [Details]
- Alternate Solutions [Details]
- Additional tests, trials, installations prototypes, fit checks etc required to substantiate approval of the proposed change [Details]
- Related ECPs [Details]
- Milestones [Details]

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ECALS Features

Attaching Files

The screenshot shows a web-based application window titled "Engineering Change Proposal". The window has a menu bar with "File", "Submit", "Print", "Close", and "Help". Below the menu bar are four tabs: "Change Justification and Submitted Data", "Documents Effected", "Impact", and "Attachments". The "Attachments" tab is currently selected. Inside the tab, there is a text input field with the placeholder text "Please enter file description before attach a file". To the right of this field are two buttons: "Delete" and "Download Files". Below the text field is a table with two columns: "File Name" and "Description". The table contains one row with the file name "ECALS Attachment.doc".

File Name	Description
ECALS Attachment.doc	

Engineering Changes At Light Speed



ECALS Benefits

- Total life cycle process
- No specialized software
- Internet Access
- Netscape or Internet Explorer
- Meets DoD requirement for a Shared Digital Data Environment

Engineering Changes At Light Speed



ECALS

Future

Designed for Today's Needs
Ready to Meet Tomorrow's
Challenges
Electronic Models
Performance Based Acquisition